WELVILLE

SUMMARY OF TANK CAPACITIES

SALT WATER BALLAST					
COMPARTMENT	FRAME	GAL (100% FULL)	L. TONS	VCG ABV BTM KEEL	LCG FROM MIDSHIPS +/-
3-0-0	0-6	10,095	38.6	20.43	119.41
3-31-1	31-38	9493	36.3	10.88	60.00
3-31-2	31-38	9493	36.3	10.88	60.00
4-16-1	16-24	7322	28.0	12.55	87.39
4-16-2	16-24	7322	28.0	12.55	87.39
4-24-0	24-38	12,925	49.4	7.64	68.08
4-84-5	84-94	14,605	55.8	11.96	-50.19
4-84-6	84-94	14,605	55.8	11.96	-50.19
4-94-3	94-102	7552	28.8	12.26	-66.36
4-94-4	94-104	8885	33.9	12.37	-67.94
DIESEL OIL					
COMPARTMENT	FRAME	GAL (100% FULL)	L. TONS	VCG ABV BTM KEEL	LCG FROM MIDSHIPS +/-
4-16-0	16-24	22,850	67.5	8.69	88.86
4-24-1	24-31	20,056	59.3	10.77	73.65
4-24-2 (90%)	24-31	18,050	59.3	10.77	73.65
4-38-1	38-50	7455	22.0	2.52	40.77
4-38-2	38-50	6825	20.2	2.52	39.86
4-50-1	50-63	8352	24.7	2.53	16.00
4-50-2	50-63	8352	24.7	2.53	16.00
4-67-0 (90%)	67-84	14,639	48.1	3.82	-21.74
4-67-1	67-84	9123	27.0	4.46	-19.99
4-67-2	67-84	8743	25.8	4.44	-19.25
4-84-0	84-94	27,120	80.2	10.33	-47.04
LUBRICATING OIL					
COMPARTMENT	FRAME	GAL (95% FULL)	L. TONS	VCG ABV BTM KEEL	LCG FROM MIDSHIPS +/-
4-84-1	84-86	1363	4.7	10.95	-40.99
4-84-2	84-86	1363	4.7	10.95	-40.99
4-84-3	84-86	1693	5.8	13.42	-41.00
4-84-4	84-86	1693	5.8	13.42	-41.00
ROLL STABILIZATION OPERATING LEVEL					
COMPARTMENT	FRAME	GAL @ OPR'G LVL	L. TONS	VCG ABV BTM KEEL	LCG FROM MIDSHIPS +/-
4-31-0	31-38	18,849	70.1	5.86	59.65
FRESH WATER					
COMPARTMENT	FRAME	GAL (100% FULL)	L. TONS	VCG ABV BTM KEEL	LCG FROM MIDSHIPS +/-
2-34-0	34-38	3934	14.6	22.46	57.00
2-34-1	34-38	3834	14.2	22.34	57.00
2-45-1	45-50	4064	15.1	21.46	34.00
2-45-2	45-50	4064	15.1	21.46	34.00
WASTE, SLOP & DAY TANKS					
COMPARTMENT/TYPE	FRAME	GAL (100% FULL)	L. TONS	VCG ABV BTM KEEL	LCG FROM MIDSHIPS +/-
4-63-1 (WASTE OIL)	63-67	1885	6.4	2.70	-1.00
4-63-2 (SLOP TANK)	63-67	3046	12.4	2.43	-1.00
3-67-1 (DAY TANK)	67-71	2580	8.0	12.00	-9.00
3-67-3 (DAY TANK)	67-71	3997	12.4	11.59	-9.00
SEWAGE TANKS					
COMPARTMENT	FRAME	GAL (100% FULL)	L. TONS	VCG ABV BTM KEEL	LCG FROM MIDSHIPS +/-
4-94-2	94-104	8092	30.9	12.00	-68.21

SMALL BOATS & LIFE RAFTS

NO.	TYPE	LOCATION	NO. PERSONS EACH	TOTAL PERSONS
3	LIFE RAFT (INFLATABLE)	01 LEVEL	20	60
5	LIFE RAFT (INFLATABLE)	01 LEVEL	25	125
1	RESCUE BOAT	01 LEVEL	–	–

CRANES

1 – "ALLIED" MARINE CRANE MODEL K12-65 (ALLIED SYSTEMS COMPANY)
1 – "PETTIBONE" MARINE CRANE MODEL TB

PROPULSION DATA

2 – PROPULSION THRUSTER UNITS "SCHOTTELLIPS" TYPE S1501/1000 DRIVEN BY (2) 1500 HP "G.E." ELECTRIC MOTORS

RETRACTABLE BOW THRUSTER

1 – "SCHOTTELLIPS" TYPE S503LSV THRUSTER DRIVEN BY (1) 900 HP "G.E." ELECTRIC MOTOR

MACHINERY DATA

3 – "CATERPILLAR" 3516 DIESEL GENERATOR SETS
1090 KW
1200 RPM
600 VAC
3 PHASE
60 CYCLES

1 – "CATERPILLAR" 3508 DIESEL GENERATOR SET
560 KW
1200 RPM
600 VAC
3 PHASE
60 CYCLES

1 – "DETROIT DIESEL" 12V71 DIESEL GENERATOR SET (EMERGENCY GENERATOR)
200 KW
1800 RPM
480 VAC
3 PHASE
60 CYCLES

1 – MOTOR GENERATOR SET (400 HZ)
5 KW
120 VAC
400 CYCLES

1 – MOTOR GENERATOR SET (CLEAN POWER)
30 KW
120 VAC
60 CYCLES

1 – MOTOR GENERATOR SET (ELECTRONIC POWER)
30 KW
120 VAC
60 CYCLES

GENERAL DIMENSIONS

LENGTH OVERALL (LOA)	278'-10"
LENGTH BETWEEN PERPENDICULARS (LBP)	254'-0"
BREADTH, MOLDED (MAX)	46'-0"
LOAD LINE DRAFT	16'-6"
DEPTH, MOLDED AMIDSHIPS MAIN DECK TO BASELINE AT SIDE	25'-0"
DISPLACEMENT AT LOAD LINE	2945 LTSW

SHIP'S COMPLEMENT

OFFICERS & CREW	25
SCIENTIFIC PERSONNEL	37
TOTAL	62

NOTES

1. SHEET 2 AND SHEETS 11 THRU 18 WERE COPIED FROM MCDERMOTT DRAWING H9005-100-14.

2. CAPACITIES SHOWN ON PLANS FOR D.O. TANKS ARE 100% FULL (90% FULL FOR OVERFLOW TANKS). SALT WATER BALLAST TANKS ARE 100%.

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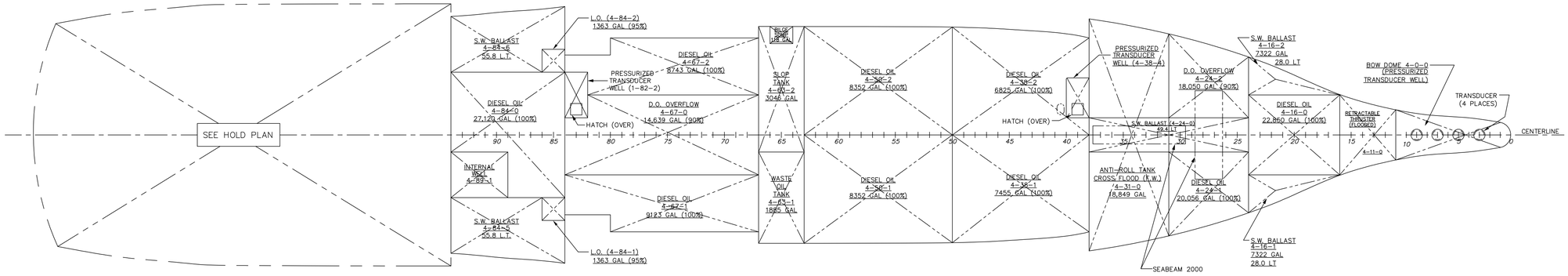
R/V MELVILLE BOOKLET OF GENERAL PLANS
GENERAL DIMENSIONS & DATA

DRAWN BY ALGER DATE 6/16/92
CHECKED BY JLRE DATE 7/21/92
APPROVED BY HURLEY DATE 7/21/92
SCALE NO SCALE
DRAWING NUMBER 8805-92-M SH 2 REV B



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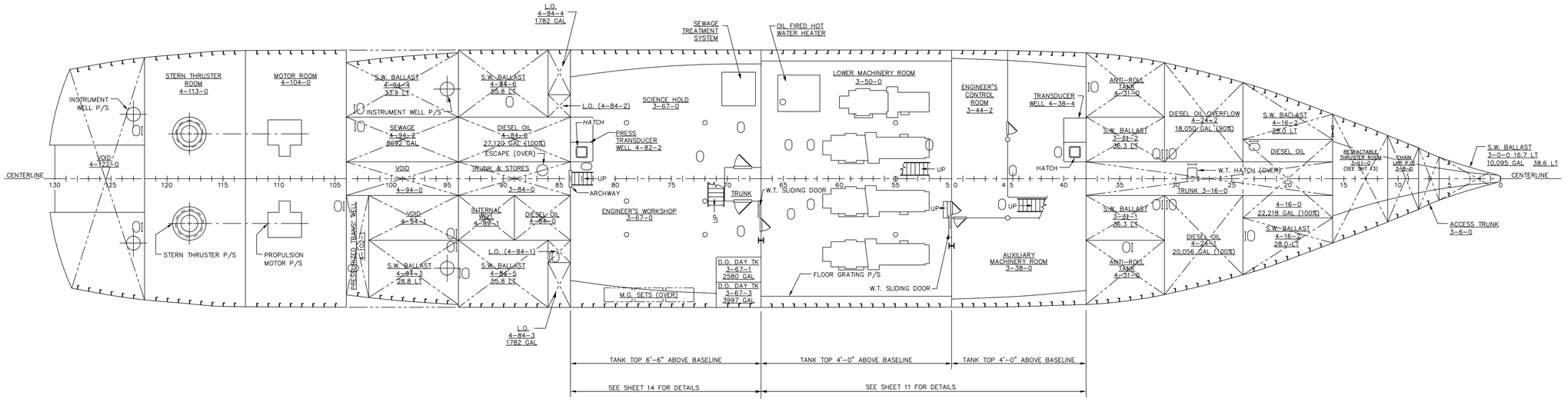
INNERBOTTOM PLAN

DRAWN BY	ALGER	DATE	6/16/92
CHECKED BY	JLRE	DATE	7/21/92
APPROVED BY	HURLEY	DATE	7/21/92

SCALE 1/8"=1'-0"

DRAWING NUMBER 8805-92-M SH 3 REV B



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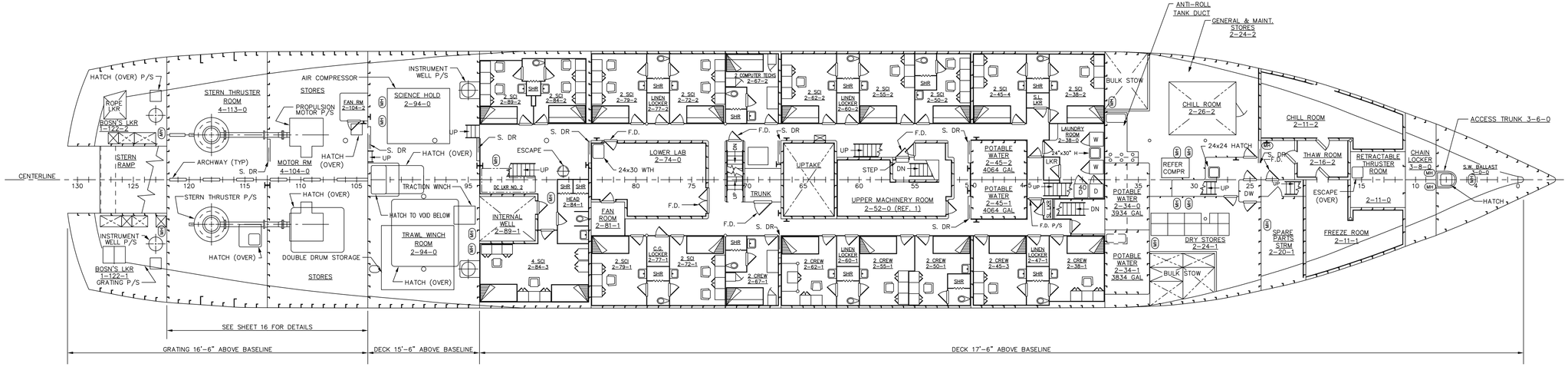
HOLD PLAN

DRAWN BY	ALGER	DATE	6/16/92
CHECKED BY	JLRE	DATE	7/21/92
APPROVED BY	HURLEY	DATE	7/21/92

SCALE 1/8"=1'-0"

DRAWING NUMBER 8805-92-M SH 4 REV B



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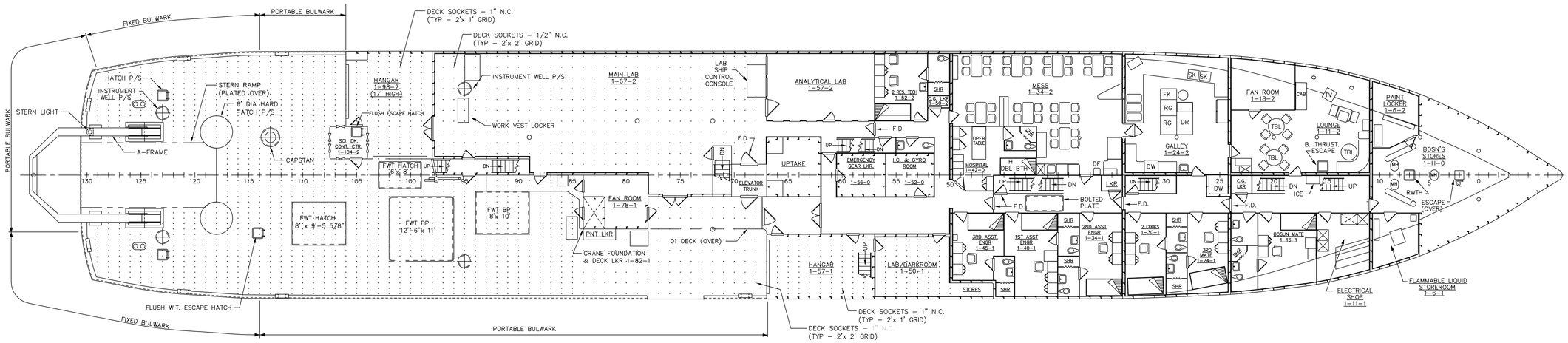
FIRST PLATFORM PLAN

DRAWN BY	ALGER	DATE	6/16/92
CHECKED BY	JLRE	DATE	7/21/92
APPROVED BY	HURLEY	DATE	7/21/92

SCALE 1/8"=1'-0"

DRAWING NUMBER 8805-92-M SH 5 REV B



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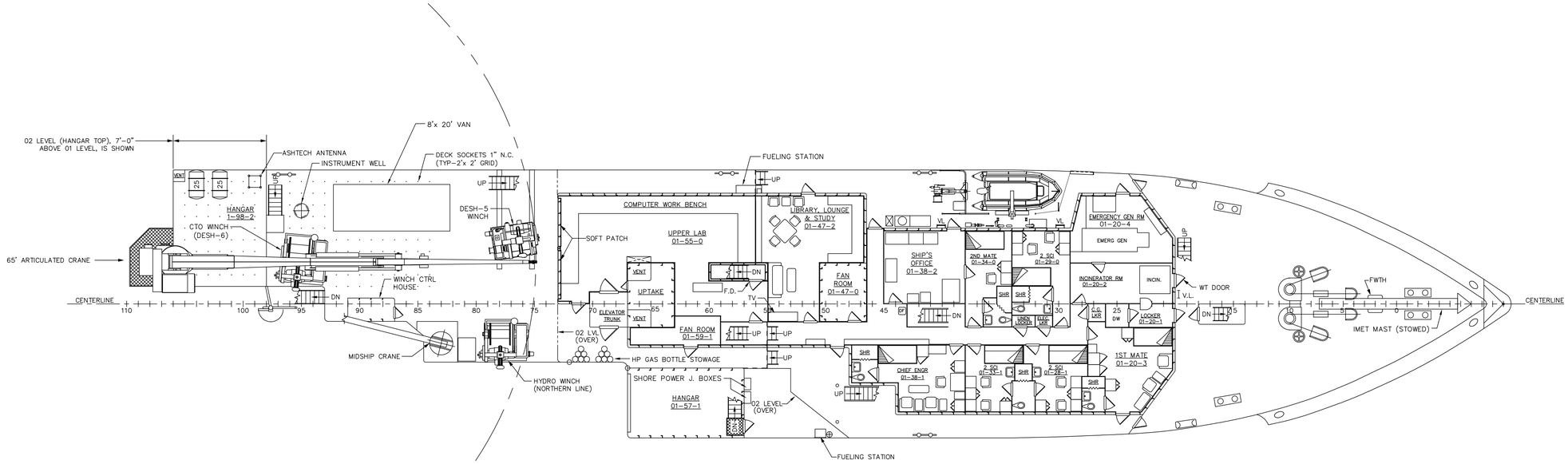
MAIN DECK PLAN

DRAWN BY	ALGER	DATE	6/16/92
CHECKED BY	JRE	DATE	7/21/92
APPROVED BY	HURLEY	DATE	7/21/92

SCALE 1/8"=1'–0"

DRAWING NUMBER 8805–92–M SH 6 REV B



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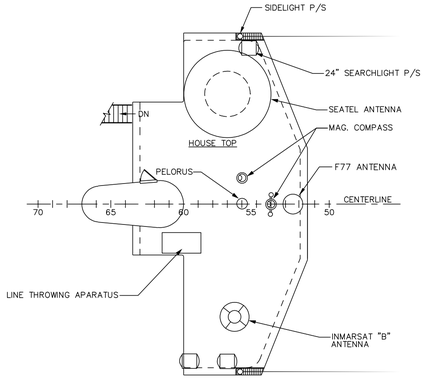
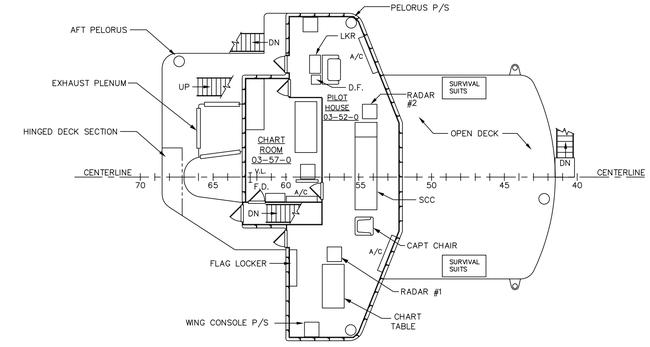
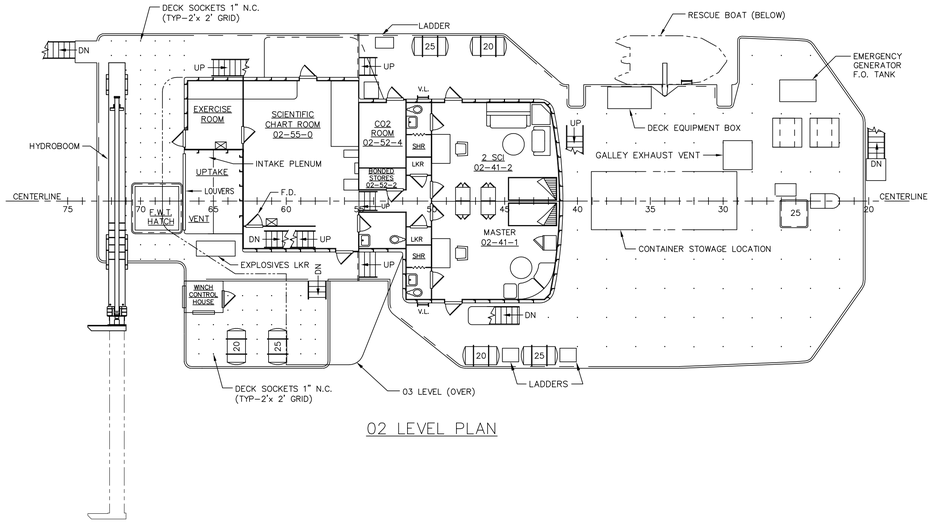
			SCALE 1/8"=1'-0" DRAWING NUMBER 8805-92-M SH 7 REV B



04 LEVEL PLAN



03 LEVEL PLAN



02 LEVEL PLAN

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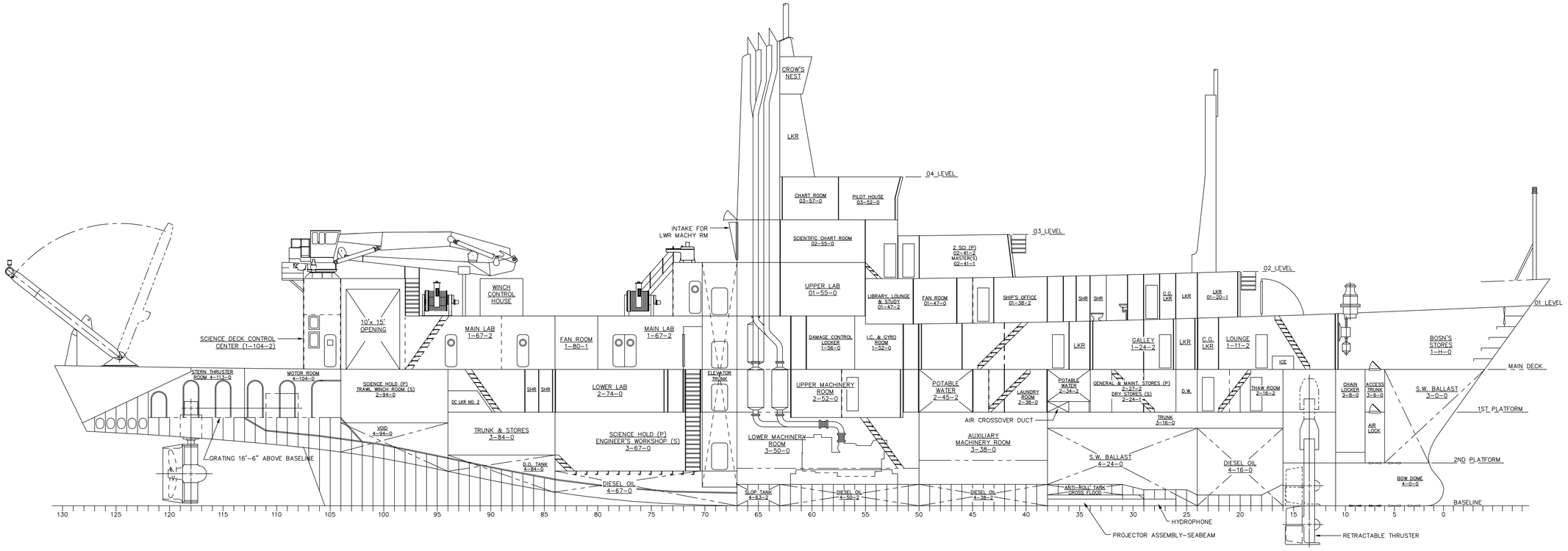
02 LEVEL & ABOVE

DRAWN BY	ALGER	DATE	6/16/92
CHECKED BY	JLRE	DATE	7/21/92
APPROVED BY	HURLEY	DATE	7/21/92

SCALE 1/8"=1'-0"

DRAWING NUMBER 8805-92-M SH 8 REV B



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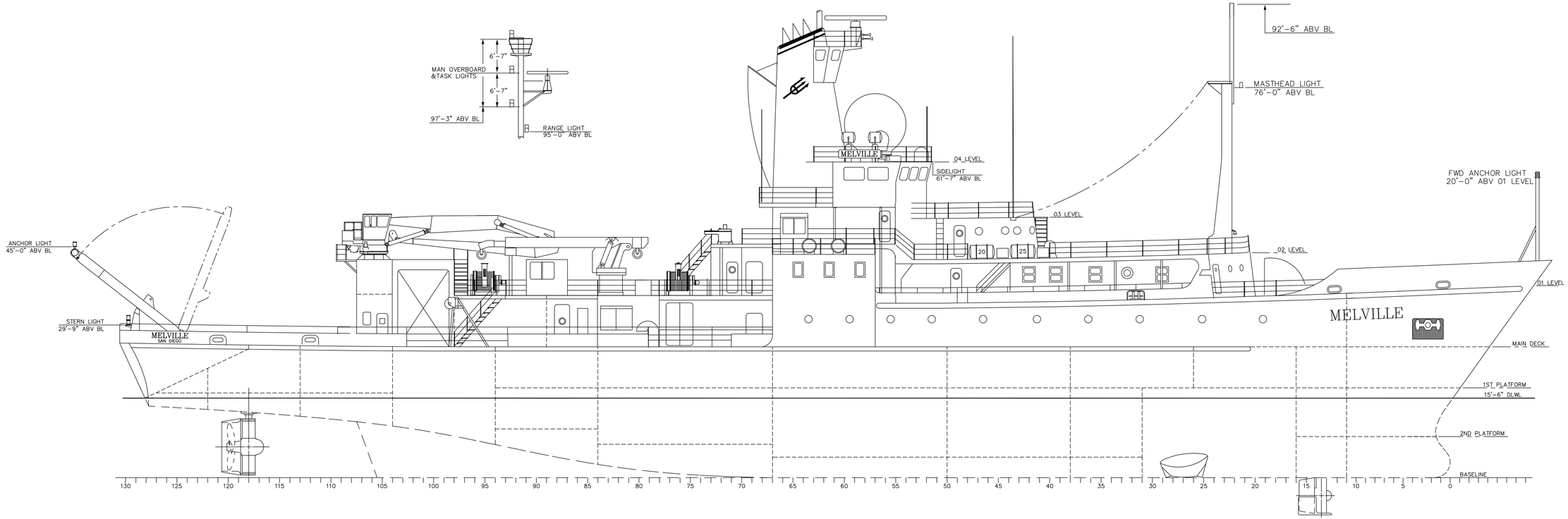
INBOARD PROFILE

DRAWN BY	ALGER	DATE	6/16/92
CHECKED BY	JLRE	DATE	7/21/92
APPROVED BY	HURLEY	DATE	7/21/92

SCALE 1/8"=1'-0"

DRAWING NUMBER 8805-92-M SH 9 REV B



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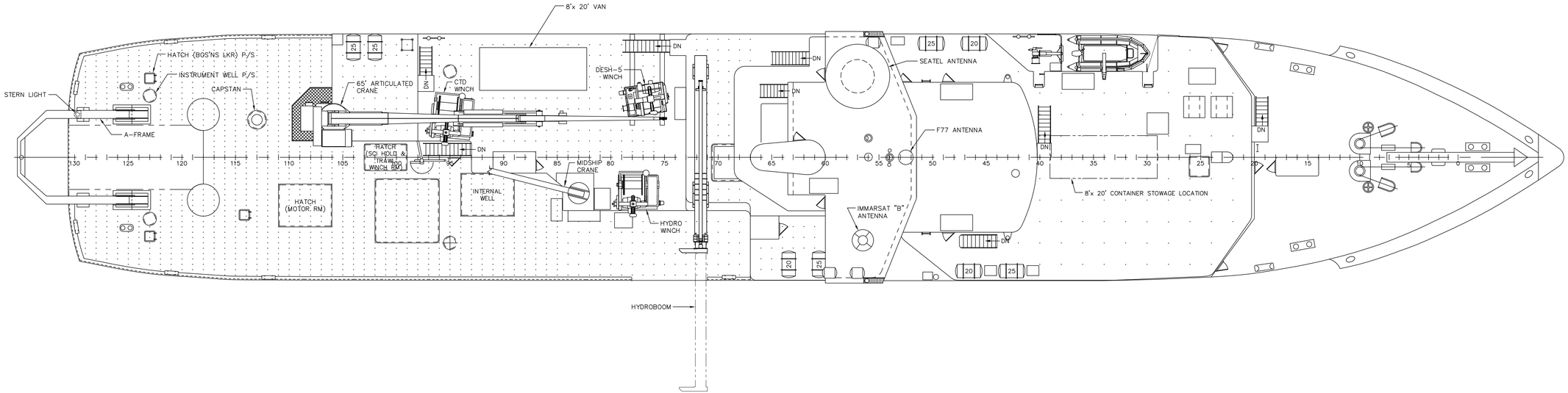
OUTBOARD PROFILE

DRAWN BY	ALGER	DATE	6/16/92
CHECKED BY	JLRE	DATE	7/21/92
APPROVED BY	HURLEY	DATE	7/21/92

SCALE 1/8"=1'-0"
DRAWING NUMBER 8805-92-M SH 10 REV B



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SCIENCE DECK PLAN

DRAWN BY CWK	DATE 3/27/01	SCALE	1/8"=1'-0"
CHECKED BY	DATE	DRAWING NUMBER	REV
APPROVED BY	DATE	8805-92-M SH 19	B